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FIELD'S SEED SENSE

"FOR THE MAN BEHIND THE HOE"

VOL. 6

Shenandoah, Iowa, October, 1918

No. 8

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John Henry and One of Those Little Pigs

Yes, this is one of those little pigs that John Henry was looking at last spring. They are nearly 6 months old now, as they were born between April 1st and 6th, and they weigh just about 200 lbs. average. I am going to weigh them Oct. 1st, and can give you the exact figures then, but it won't miss 200 very far either way.

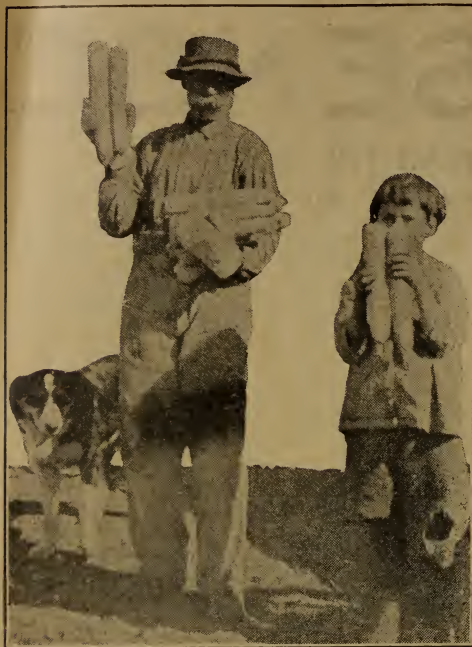
They are great pets and John Henry likes very much to play with them, and they are the best behaved and best natured pets you ever saw. It's no wonder though, for they have never been hungry in their lives, and have had everything that any pig ought to have. Alfalfa pasture, old corn in a self feeder, tankage in another self feeder, and plenty of fresh water.

Still, with all that, they are doing nobly to weigh 200 at 6 months. I have a straight carload of them (71) and I am going to turn them Nov-

ember 1st, (7 months old) at 250 lbs. I believe that is heavy enough for profit and for good pork. And besides, I have about a carload of young sows coming on that want the lots and buildings for the winter.

Part of these young sows are a herd of registered Durocs that I bought lately as the foundation of a purebred herd, and the rest are the same stock except for a dash of Tamworth. I am going to winter them on alfalfa meal with a little corn and tankage.

We are still living in the country and will be for a month or more yet. The children are going to country school, except Faith who is helping her mother, and we are all getting along fine. John Henry is a real farmer, and outdoors all the time. You will notice too he is quite a husky. for coming 2 years old.



An Iowa Farmer and His Corn

This is Thomas Dixon, Diagonal, Iowa, and his grandson, with some of our White Elephant corn 14½ inches long.

Finest Yard in Leavenworth

"I have been awarded the \$10.00 prize for the best kept lawn and garden in this city by a committee on 'City Beautiful.' Much credit is due Field's lawn grass and garden seeds in bringing about such happy results.

I know you will appreciate this decision as well as I do."

—L. D. Andrews, Leavenworth, Kans.

Milo Maize Stands Dry Weather

"Mr. Henry Field: Am glad you had a prosperous year, merit will win. I have some of Field's Milo Maize (one acre on the county road) which is the talk of the country, showing the difference at the same time the necessity of putting in not only corn, which is almost a failure here, when the Milo is just loaded with each a good sized head. Respectfully,"

—F. C. Leuther, Marshfield, Mo.

Sudan a Success

"I have often thought I would write to you but never had time.

I got some Sudan seed from you last spring. I have cut it once and can cut it again soon as it gets dry enough. It ought to have been cut two or three weeks ago, but I had other work to do. It is sure fine feed. I am going to put out some next year. Yours truly,"

—W. A. Mazack, Pleasantville, Ia.



Good Seed Corn

"Dear Sirs: We have 102 acres of corn, most of it with the seed we bought of you. We have a field that comes up to the corn belt high-way. Lots of fellows say, 'Where did you get your seed, it is a perfect stand.' If you would send me a board, tin poster or something, I would nail it on the post telling where the seed came from. I am sending you the money for the last 3 bushels. I live just across the road from a man that shipped 3 bushels new corn from Missouri and you ought to see his stand. I have 20 acres in corn, very rich ground. Tell me what will give the best results for pasture the coming year for a corn crop. Let me hear from you by return mail. Yours truly,"

—Jas. R. Tait, Humeston, Iowa.

Still Time to Sow Rye

Can you not find a place for an extra acre or so of rye this fall? It is now late for wheat in many localities, but rye may be seeded for a month yet with hope for a fair crop. Many potato fields will be dug too late for wheat seeding, but there will still be time for rye by scratching over with a disk or spring-tooth. That is one great thing about rye; it will stand rough seeding and make a good crop—though, like any other, it responds to good culture. Rye bread will help feed Europe, and the more small grain we can produce, the more we can cut down our feed bills. This does not apply to farmers who have a regular rotation, including wheat; for it often works badly to mix these small grains, but dairymen and fruit or vegetable farmers may well put in all the rye they can make room for.—*Rural New Yorker.*



Some Fine S. Dakota Watermelons

This picture was sent in by Margaret Phillips, Carlsbad, S. Dak., and shows a mighty fine pile of melons. South Dakota is not generally counted a great watermelon state, but they seem to have us all beat this year.

"Long Sweetening"

(By U. S. Food Administration)

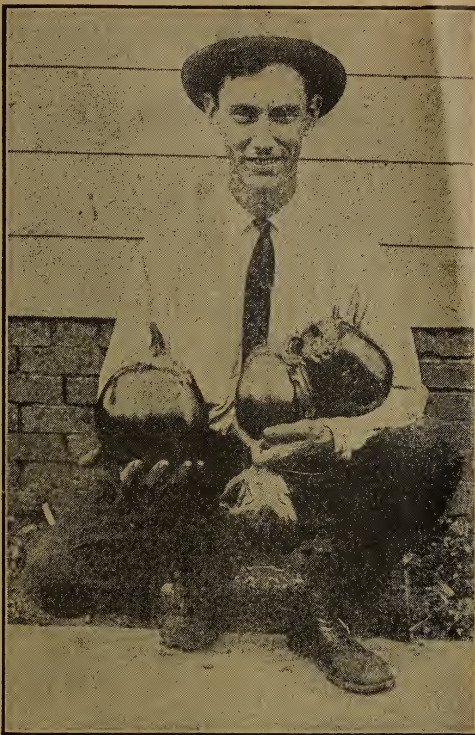
A large crop of "long sweetening" is promised sugar-rationed America. There are 33,000,000 gallons of sorghum sirup in sight (July crop report) and many a little patch of sorghum not accounted for in any reports. The Middle West took the "No-sugar" signs to heart last fall and increased their acreage of sorghum. Michigan is promised a 300 per cent and Ohio 150 per cent crop (July crop report).

In addition to the planting of sorghum cane for sirup, thousands of acres are devoted to the growing of sugar cane for sirup making. The normal yield is 200,000,000 gallons of sirup. (Treeman G. Palmer's "Questions and Answers Concerning Sugar," issued by the United States Sugar Manufacturers' Association, 1917). So outside of the sugar ration America can "sweeten up" from fifty to sixty million gallons of "long sweetening."

Sorghum sirup and cane sirup are not, like molasses, a sugar house by-product, but a straight sirup made directly from the cane by crushing and boiling. The grade and color of the sirup will depend on the making. If the sugar is allowed to caramelize or burn on the side of the pans, a dark strong sirup will result. Some sirup makers add a small amount of lime to the fresh juice or sorghum cane to neutralize the acid present. A well-made light sirup of fine flavor is being produced in many sections.

When the Civil War cut off Louisiana cane sugar, the North developed a liking for sorghum sirup. The present world-sugar shortage has again raised sorghum from the ranks. Fortunately is the farmer just now whose cane is ripening for the grinding.

Well-made sorghum sirup may be used to replace sugar in cooking or even in coffee. In fact, it is nothing more than a sugar sirup. The States of the South have commercialized cane sirup and produce a fine grade of light sirup.



Some Fine Egg Plant

"I am sending you a picture of myself and showing some egg plants that were grown from your seed. I have had fine success with them this year."—Lester A. Hitchcock, Keweenaw, Ill.

Sudan Grass a Sorghum

Most of the earlier accounts of Sudan grass failed to make clear that this new crop is nothing more or less than a fine-stemmed, non-saccharine sorghum. It has most of the characteristics of the ordinary sorghum, and its requirements as regards soil and climate are similar except that the Sudan grass differs from sorghums by maturing earlier and having such fine stems that it is readily cured into hay.

Experiments made at the Kentucky State Station in 1915 produced a crop of eight tons per acre of dry hay in two cuttings. This exceptionally high yield was made possible by unusually fertile soil and good culture. The plots were drilled about the middle of May, using 20 to 25 pounds of seed to the acre, seeded with an ordinary grain drill.

The first crop was cut when the Sudan grass was fully headed, and the second crop in time to avoid the first frost.

Where Sudan grass has been grown for two or three years it is the opinion of the growers that it will largely take the place of millet and sorghum for fodder purposes, and also be valuable as a green fodder to cut for supplementing pasture.

Farm and Fireside.

U. S. and Foreign Flags

We have the most complete line of flags in the country. We can supply U. S. Flags in wool, Sampson Bunting, cotton or silk. Now is the time to buy as materials are continually advancing and prices of flags are certain to advance very soon. See that a flag floats on every school, business house and home.

U. S. Flags

Cotton material, fast colors, sewed stripes and printed stars, well-made in every respect, with eyelets in corners for attaching ropes. Not mounted on ropes or poles.

Size 3x5 feet as described above \$1.50 Postpaid
 " 4x6 " " " " 2.25 "
 " 5x8 " " " " 3.00 "

(Larger sizes quoted on request)

U. S. Flags—Sampson Bunting

Fast colors, sewed stars and sewed stripes. Will outwear wool and will not be bothered by moths. Heavily headed with canvas and has brass grommets in corners for attaching to a rope or pole.

Size 3x5 feet as described above \$3.00 Postpaid
 " 4x6 " " " " 4.00 "
 " 4x7 " " " " 4.20 "
 " 5x8 " " " " 5.50 "
 " 6x9 " " " " 6.25 "
 " 6x10 " " " " 6.80 "

(Larger sizes quoted on request)

U. S. Flags—

Standard Wool Bunting

Double warp. Stars sewed on with durable zig zag stitch. Sewed stripes. Fast colors. Very best wool flags on the market.

Size 3x5 feet as described above \$5.50 Postpaid
 " 4x6 " " " " 7.00 "
 " 5x8 " " " " 10.00 "
 " 6x10 " " " " 14.00 "

(Larger sizes quoted on request)

Large Silk, Cotton and Sampson

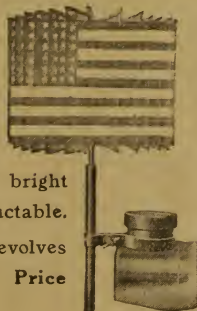
Bunting Foreign Flags

We have a complete line. Tell us the kind and material and we will quote prices.

Revolving

American Flag

Complete with holder for attaching to Auto Radiator Cap. Flag made of sheet steel and enameled in bright colors. Practically indestructible. Can easily be cleaned. Revolves when auto is moving. Price \$1.00 each Postpaid.



Allied Flag Sets

Silk material, mounted on staffs with spear head tops. Size of flags 5x7 inches. Set consists of France, U. S. British, Italian and Belgium Flags. Can supply sets with plain edges or with gold fringed edges. Fine for decorative purposes or for use on automobiles—each set is complete with a holder for attaching to radiator caps.

Set of five 5x7 inch plain edge allied flags with holder-----\$1.50 postpaid

Set of five 5x7 inch fringed edge allied flags with holder-----\$2.00 postpaid

Set of three (U. S. British and France) plain flags with holder-----\$1.00 postpaid

Single 5x7 inch flags of Japan or Canada as above (plain edges)-----25c each

U. S. Flags

Mounted on 5 foot double jointed staffs. Good heavy cotton material, size of flag 25x40 inches. Staff is varnished and has large gilt spear head top. Fine for parades and decorative use. Nothing better or more convenient than this outfit for a home flag. Complete outfit in a separate carton. Price \$1.25 each.

Revolving Metal "Whirly Flag"

Showing U. S. colors while whirling in the breeze, attaches to radiator cap and whirls with slightest breeze. Very popular. Complete with holder. Price \$1.00 each postpaid.

Big Reduction in Service Flag Prices



We have been carrying tremendous stocks of service flags all season and they are still a mighty good investment as the demand is greater than ever before, but our busy season for seeds is approaching and we must make as much room as possible, so we will, for the month of October, offer our flags at greatly reduced prices, but please remember orders can not be accepted at the reduced prices after October 31st. Write for special prices on quantity lots.

Satin Service Banners

Mounted on cross bars with gilt spear head ends, hung by a beautiful gold cord with tassels. With plain edges or gold fringed edge. Can supply banners with one, two or three stars. Undoubtedly the most beautiful service flag on the market today.

12x18 inch plain edge	Regular price \$1.75
Special price	-----\$1.35
12x18 inch fringed edge	Regular price \$2.50
Special price	-----\$2.00
8x12 inch plain edge	Regular price \$1.25
Special price	-----\$.85
8x12 inch fringed edge	Regular price \$1.75
Special price	-----\$1.35

Silk Service Banners

Mounted on cross bars with gilt spear head ends, hung by a gold cord with tassels. Either plain edge or fringed edge. Can supply banners with one, two or three stars. Very best material used and will give satisfaction.

5x7 inch plain edge	Regular price \$.50
Special price	-----\$.35
5x7 inch fringed edge	Regular price \$.60
Special price	-----\$.40
8x12 inch plain edge	Regular price \$1.00
Special price	-----\$.75
8x12 inch fringed edge	Regular price \$1.50
Special price	-----\$1.20
12x18 inch plain edge	Regular price \$1.65
Special price	-----\$1.25
12x18 inch fringed edge	Regular price \$2.50
Special price	-----\$2.00



"Over There" Felt Banners

Made of red felt with art process painting in white and blue. Metal bound top with cord hanger. Blue star in center of a large white star. National emblem and words "In Service Over There" beneath white star. Beautiful design.

12x18 in.	Regular price \$1.00	Special price 65c
x12 "	" " " .75	" " " 40c

Special Naval Banner

Made of blue felt similar to above except that it has a special naval design. Very attractive.

12x18 in.	Regular price \$1.00	Special price 65c
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We can supply wool flags in either service flags or national flags. We also make flags of Sampson Bunting which will wear longer than wool and looks about as rich, it is much cheaper than wool.

We specialize in service flags for towns, churches, lodges and other organizations. We can save you money. Let us know how you want it made and the size and we will quote prices.

Silk Auto Service Flags

Good material mounted on a blank staff with spear head top so it can be mounted on radiator cap same as any flag. Very popular.

5x7 inch plain edge	Regular price \$.50
Special price	-----\$.35
5x7 inch fringed edge	Regular price \$.60
Special price	-----\$.40

A Good Farmer

Up north of here, about thirty miles, I had a good visit the other day at the farm of W. L. Summers. He's called "Les" up there and as common as they make them, altho he is president of a bank. His real business tho is farming.

Even before the buildings are reached, as one comes out from town, a twenty acre orchard of Grimes, Jonathan, Janet, Rome Beauty and other varieties of apples will make you sit up and take notice. This is an off year for apples with us in southwest Iowa. Lots and lots of trees along the road show the effect of last winter and this summer—until you strike this orchard belonging to the Summer's family. It shows the results of cooperation with the Experiment Station at Ames. All sprayed and pruned and fairly well set with apples. Twenty acres of such a crop this year means luck or brains, probably both. Spraying as they have at the right time with the assistance of Prof. Erwin of Ames, is going to produce many a barrel of Grade A fruit this fall. The whole orchard is to be sold to a man who will pick, crate and store the entire crop, so don't write him for prices. He hasn't a barrel for sale.

Nowadays, the farm work, in the house and shop and barn is being done by electricity. "Les" has his hooked up from town. The wires run right in front of his house. They wash, iron, pump, yes, even make toast now and have a fan. The barns are lighted up in mow and stable. A big light even out in the yard. The garage and shop have their's too. Fine dope you say, but all costs. Sure does, but wait.

"Les" makes his Poland China sows earn their comfortable keep by producing pigs every fall and spring. Right now he has between thirty and forty fine old brood sows shut off to themselves in a pasture of Rape and Clover. Some of the new broods are already in evidence. All look so thrifty and glossy. "Les" lays this luck this year to a twenty-five acre pasture of Sweet Clover on which he has turned all the brood sows, cattle and horses, and then had to make hay off it once.

The bulk of his spring pig crop are now busy at work husking his corn crop for him. He has nearly 200 acres in Reid's Yellow Dent, about all of which will be hogged down by 260 spring shoats weighing, well, over 150 pounds average for the bunch. Perhaps he will shuck out a forty acre piece, but he isn't worrying about the high cost of corn shuckers or the help proposition, not with such a husky bunch ready to do the work up clean.

In one piece of corn he has just finished drilling in wheat with a one horse drill. He uses Turkey Red. The corn all stands up well and is well eared too. The drouth never bothered him for he laid for it. After it was laid by, a binder wheel and an old horse and a boy were set to work, keeping up a dust mulch up and down every row. But two days of those blistering hot winds played thunder while they lasted and as a consequence, the ears are not so long as they usually are, but the corn is out of the way and of course he is busy now picking seed ears. Show ears some of them too. Big rough type, dimple dent stuff. He has raised Reid's

ever since his boy caught the seed corn fever when P. G. Holden was touring the country in behalf of seed corn improvement quite a few years ago. That boy, by the way, finished his schooling at Ames and is now making good in an eastern city.

Of course he vaccinated his pigs, every one of them, but an odd thing occurred. It seems that the serum was good but the virus was not. So the serum kept the bunch up in good shape but it only lasts about three months. A week or so ago a few showed symptoms of cholera. He called in a veterinarian well versed on the subject, they made a post-mortem examination and decided to go ahead and give the bunch the double treatment again. Pigs is pigs these days and it pays to stay with 'em, so he says.

"Les" is the most enthusiastic man over Sweet Clover you ever saw. He started it as a sort of an experiment in Oats. Used a mixture of Timothy, Red Clover and White Sweet Clover. This season told the story. The Clover stood the pasturing in spots, so did the Timothy but it was so hot and dry they didn't show up at their best, but that Sweet Clover never knew the war was on.

He says he never had so much milk from the cows, nor were they ever in better flesh. The brood sows grew big and lengthy, not too fat, and have the fine shiny hair you like to see. His brood mares and work horses never were in better shape. No bloating to worry over on Sweet Clover either.

The stock couldn't keep that piece of Sweet Clover down. He put up one big crop of hay, just had to do it. He didn't want to for his Alfalfa fields were keeping him busy. And in spite of it all the blamed Sweet Clover is making a seed crop which he believes will scatter out and reseed. He intends to sow on some more during the winter, probably 10 pounds per acre, to be sure of the pasture. He put on some seed last spring so there will be probably one-half the plants to count on for pasture early next spring again. He thought the seeding was lost last year and so put the extra seed on.

Besides the Sweet Clover, he has a piece in Red Clover which is making seed now. He has three good sized stacks on twenty acres from the first cutting and Clover hay worth anything a body might want to ask for it this year, to say nothing of the seed.

Alfalfa used to be his hobby. It is just common occurrence on his farm now. The alfalfa sod shows up in his corn too. Sure does make great corn. There are three fields in Alfalfa this year. He uses one for pasture for the spring pigs. There are stacks of Alfalfa all over and a big mow full too.

Of course there are self feeders for pigs, hog oilers, and hog water tanks scattered around, as well as colony houses for the brood sows. There is also a tractor and the attachments that go along. "Les" is strong for deep plowing and thorough cultivation.

Any farmer would do well in spending a few hours on this farm. We believe it is way above the average. "Les" has his ideas and stays with them. The results show it is not all just luck either. Plenty of hard knocks too, but the joy of living is his.

H. M. C.

Vetch As a Farm Crop

The more I see of it the better I am pleased with Vetch as a farm crop. When I first heard of Vetch and first tried it out in a small way, I was rather suspicious of it and did not think there was much to it, but the more I see of it and the longer I grow it the more I am pleased with it.

I refer to the Winter or Hairy Vetch, as that is the only variety suitable for growing in the Cornbelt. The only other variety that is grown to any great extent in the United States is the spring Vetch or Oregon Vetch. This is an entirely different proposition. It is not hardy for fall or winter use here, although it is used as a winter crop on the Pacific coast. It is all right in the Gulf states of the South for a winter crop, but here with us it has to be used as a spring crop and so far has always been a failure with me, although I understand that in the northern part of the United States it makes a valuable spring sown crop.

The Winter or Hairy Vetch, however, seems to succeed all through this part of the country. It should be sown in the fall like Winter Wheat and has exactly the same season of growth. It can be sown any time from July to October. It seems to be absolutely hardy wherever winter wheat is hardy and even farther north.

It makes considerable growth in the fall and will grow all through the winter whenever the ground is not absolutely frozen hard. It comes on very quickly in the spring and could be cut for hay as early as May 15th, or for a seed crop about a month later. It makes a very heavy growth of vines, at least equal to a heavy crop of Clover, possibly heavier. It makes hay equal in quality to Clover or Alfalfa. It cures easily and keeps well. All kinds of stock eat it readily.

It is the only leguminous crop that we can get in between two crops of corn and improve the land without missing a regular crop. It can be sown or drilled in the corn in August and if the corn is cut off for fodder the Vetch will make a full crop by the next May, a crop of hay cut and the Vetch plowed under in time for another crop of corn.

A good way to do is to mix it half and half with Rye, as it is inclined to fall down and lodge badly and the Rye will hold it up. Use 30 lbs. per acre of each and put in either broadcast or drilled. It will all stand up as high as the tallest Rye and will make a splendid grade of mixed hay.

Now, I may seem over enthusiastic about this Vetch, but I believe if you will try a small field of it, you will be as enthusiastic as I am. At present I can supply it at **22c per pound** for a good, pure quality. You should use about 20 to 30 pounds per acre either alone or with Rye.

Alfalfa for Hogs and Hay

"My three acres of Alfalfa have yielded 6 loads of hay and is ready to cut again with my 75 hogs running in it in spite of hoppers and dry weather."—Marinus Christensen, Audubon, Ia.



Some Bright Kansas Girls

The three daughters of W. H. Daniels, Girard, Kans. He says he has no boys. His boys are all girls.

Saving Seed Corn

What is your way of taking care of seed corn anyway. My way is to pick it during the first half of October and hang it up where the ears will not touch each other, where they will have plenty of ventilation and will dry out thoroughly, then keep it dry and cool from then on. After it gets thoroughly dried out once it don't matter whether it be kept in the ear or shelled. If it is thoroughly dry it will keep either way.

A splendid way, if you are fixed to do it, is to smoke the corn. The old time farmers hung up their seed corn in the smokehouse and dried and smoked it at the same time. I don't know just exactly the scientific reasons for it, but seed corn that is smoked is never bothered by worms, rot or germs, smut or anything of the kind. It seems to be immune to all the ordinary troubles of seed corn, and of course it is perfectly dry and will keep without question. Grandfather Kerr, who I visited in Missouri, says he has kept his seed corn this way for 50 years and never failed of a stand in his life.

Field's Seed Sense

FOR THE MAN BEHIND THE HOE

Published Monthly by the

HENRY FIELD SEED COMPANY

Field Building, Shenandoah, Iowa

And Printed in Their Own Private Printshop

Henry Field, Editor E. F. Vincent, Mng. Editor

SUBSCRIPTION PRICE: 25c per year or 5 years for \$1.00

Iowa Seed Corn is All Right

If any one tells you that Iowa seed corn is no good this year, you tell them they have another guess coming. Of course I can't speak for the entire state of Iowa, but I do know that here in Southwestern Iowa we have lots of mighty good seed this year even if we did have a hard season. Of course we are not getting any very great yield. No 100 bushel corn this year and not very much above 50 bushel, although I do know a few fields that will make about that figure, but there will be lots of 40 bushel corn with plenty of good seed in it. It is sound and ripe and if properly taken care of will grow fine. The ears may not be as large as they were last year and may not have as good butts and tips. They may not be as pretty as usual, but the growth, vitality and seed value will be there just the same. The grains are full size, plump and sound. There will be no wet and soggy stuff this year either. It will all be sound and dry.

We are not taking any chances on that part of it however. We are going to pick most of our seed corn this fall and hang it up on Knox seed corn hangers before it has a chance to freeze in the field.

Not Enough Sorghum

The sorghum mill was a great success only there wasn't enough sorghum to go around. We only put out a small acreage this year, about 18 or 20 acres, as we wanted to learn all we could about the business first, and didn't want to get in over our heads first jump.

And then the terribly dry weather we had cut our crop just about half. Instead of getting 200 gallons per acre as we did last year, we got only about 100.

The machinery worked fine however and turned out a beautiful quality of syrup, and we had ready sale for all of it right at the mill. People came after it faster than we could get it made.

Next year we are going to hit it hard. Probably 200 acres of cane. And then we hope to have syrup enough for everyone.

Meanwhile it will be no use to send in orders for syrup this fall. It's all gone and we can't fill your orders. Too bad, but it can't be helped. Next year we can fix you out all right.

**Better Loan It To Uncle Sam for
Kaiser Bill For**



Our New Girl and Her Mother

Yes, we have another girl. A brand new one. She is almost a month old now, but this picture was taken when she was about a week old. You will notice she is good looking like her mother. This makes us now 8 girls and 3 boys, all at home but the oldest boy. They are all good children and all healthy and lively. We named this girl Letty, after my mother. Her full name though is Celestia Doris, but Letty for every day.

HAY WANTED.—We want for our own use a car of hay, alfalfa hay preferred. Write us at once what you have, about what grade, and what price you want for it on cars there.

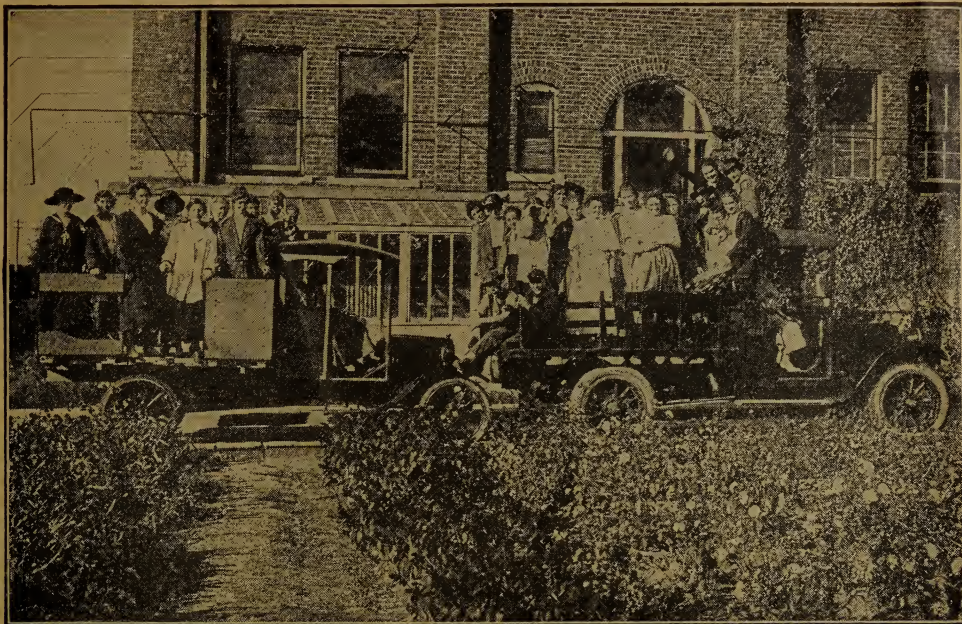
HENRY FIELD.

Onion Sets

There is probably more money in early bunch onions than in any crop the gardener knows. All you have to do is to set the sets very early in good rich ground and they are sure to make a crop. Always sell, too. They take very little room, and I have often taken off a dollar's worth to every rod of row. Buy some sets and try it. Figure on about a gallon of sets to the square rod of ground. Bottom sets are the kind to use. Onion sets are 32 pounds per bu., so one pound is the same as one quart.

It would be a good idea to buy them this fall. The price advances in the spring. By the quart postpaid 30c, 3 for 75c. In quantities by express or parcel post at your expense, peck, \$1.10; 1 bushel, \$4.00. Half bushel at the bushel rate. A bushel is 32 lbs; qt. 1 lb.

**Liberty Bonds, Than Give It To
Indemnities**



This shows a bunch of the Seedhouse girls just getting back from a trip to No. 3 building to see the sorghum mill. It is just across on the other side of town, so we loaded them on the big seedhouse trucks and took them in style. They brought back enough molasses for a big old fashioned candy pull at the seedhouse in the evening.

The Cabbage Seed Crop

Taken as a whole seed crops this year are very promising. However, not that we are hard to suit, but it seems that crops no matter how good never are just right. The "fly in our ointment" this time is the cabbage and cauliflower crops. They are the worst ever.

The crop in this country is grown on Long Island in the east and Puget Sound in the west. The munition factories in the east and the shipyards in the west have taken the help that the growers ordinarily depend on to grow and harvest the crop. And in addition to this the west have suffered from damaging floods that all but wiped out what crop they did have.

From Denmark we expect nothing. Practically all they are growing is food crops, same as the rest of the farmers "over there." Cauliflower you know comes from Denmark and all we will have of this is a little carry over. So what is a fellow to do.

We have decided to take our carry over and what we will get from this year's crop, which will be from 5 per cent to 15 per cent of a crop, and let it go as far as it will. We will have enough to fill packets and ounces on most varieties, but we will have to give up filling bulk orders and all amounts above ounces.

Sorry, but there is no help for it. Below is a list showing what we can do and the prices. No use to ask for varieties and quantities not listed there for we haven't got them. Maybe when this year's crop gets in we will have more than we are figuring on but we are not looking for any such good luck.

Walt Pitzer.

Cabbage

	Pkt.	Oz.
Early and Second Early		
All head Early. Large, second early	10	75
All Seasons. Mid-summer, flat	05	60
Charleston or Large Wakefield	05	75
Copenhagen Market. Early, round	10	45
Danish Summer Ballhead. Very hard	10	85
Early Flat Dutch. Midseason, flat	05	60
Early Jersey Wakefield. Early pointed	10	75
Early Spring. Very early, flat	Crop failure	
Glory of Enkhuizen. Medium early	10	75
Early Winningstat. Medium early	Crop failure	
Henderson's Early Summer. Flat head	05	60
Norseman. Early round heads	15	

	Pkt.	Oz.
Late or Main Crop		
Autumn King. Very large, late, flat	05	60
Jornbelt. Large, flat heads, good keeper	10	75
Giant Drumhead. Very late, rather loose	05	60
Hollander or Danish Ballhead	10	75
Large American Drumhead. Large, late	05	60
Mammoth Red Rock	Crop failure	
Premium Flat Dutch. Large, good keeper	05	60
Savoy. Leaves crumpled, twisted	Crop failure	
Succession. Midseason, flat head	05	60
Surehead. Large, flat, good yielder	10	75
Volga. Large, round head	Crop failure	

Cauliflower

	Pkt.	Oz.
Danish Grown.		
Dry Weather. (Copenhagen)	20	
Earliest Dwarf Erfurt	15	
Snowball. Early, good size, reliable	15	
Danish Perfection. Early, compact	15	

What To Do With Flower Bulbs

We are getting dozens of letters from people every day who want to know what to do with canna, gladiolus and dahlia bulbs now that the frost has killed the tops.

Of course as long as the ground does not freeze there is no particular hurry about digging them, but any time now there is likely to be a frost hard enough to freeze the ground and that would probably hurt the bulbs, so better dig them just as soon as you can and get them in a dry, cool place. The cool part is not so important, but it is important to get them in a dry place just as soon as you can and of course they must be where they will not freeze. Cannas, gladiolus, dahlias, spotted callas, madeira vines and panama lilies are all tender to frost and freezing and will kill the bulbs just the same as it would kill potatoes.

They can be kept through the winter just the same as potatoes, or onions, or anything of that sort. The principal thing is to keep them dry enough so they will not start to grow, and all except the cannas should be kept fairly cool. Cannas, however, do not like cool weather. The best thing to do with them is to keep them fairly warm. If you have a furnace room in your cellar, put the cannas in there and put the other bulbs in the same room where you keep Irish potatoes, but put them up on the bank where it will be rather dry. They can be kept in a bucket or box, or in a cloth sack, or an old paper sack, or anyway that would suit you. Just so they are kept dry and not allowed to pile up in too big a mass. If they are piled up in a big, solid pile or a tight box, they are liable to get moist and heat in the center of the pile. Of course, all the tops and frozen stems should be trimmed off before they are put away for the winter. All you want to keep is the roots, but you must remember that dahlias start, not from the root itself, but from the neck where the root and stem join.

Any of these bulbs can be kept through the winter with safety until time to plant them out of doors, which would be March, April or May, according to your latitude, but on the other hand they can be started early in flower pots if you are anxious to get quick action.

If you want to hurry your garden along, you should begin about February potting up these plants in flower pots, or old tin cans, or boxes, or anything that is handy and getting them started ready to put out of doors when the proper time comes. You should, if possible, arrange so you can move the whole plant, roots and all, without disturbing the roots.

\$31.25 from 30 Vines

"The Red Head tomato seed I bought from you last spring grew fine. I never saw a better quality nor a better yielder than the Red Head and they are so smooth and stand more grief than any tomato I ever saw.

We commenced picking ripe tomatoes July 17 and up to date, August 24, have picked 502 pounds from 30 vines, sold \$31.25 worth besides we canned a good many and they are still bearing."—J. P. Krick, Ida Grove, Iowa.

To Control Smut of Wheat—Use

Formaldehyde

By R. O. Cromwell

Mix thoroughly one pound (pint) of commercial formalin (guaranteed 40 per cent solution of formaldehyde) in 40 gallons of water (1 pint in 10 gallons of water is sometimes used to treat oats but is not recommended for wheat). Use either the soaking or sprinkling method.

Caution. Do not use smutted floor, sacks, bins or drills to handle treated seed. Sacks should be soaked for 30 minutes in a strong solution of formalin (1 pint in 10 gallons of water) or boiled a few minutes in water. Bins, floors, drills, etc., may be scrubbed with a strong solution.

Methods of Treating

(1) **Soaking.** Take two large wooden tubs or half barrels fitted with pine plugs near the bottom. Cover holes for plugs with wire screening. Place one tub on a bench and fill two-thirds full with formalin solution. Pour in seed and stir thoroughly for ten minutes so that smut balls and all trash, which will come to the surface, can be skimmed or floated off. Draw solution into lower tub. Pour seed into a pile on the floor. Reverse the position of tubs and repeat the process. Cover treated seed with disinfected canvas or sacks for 3 to 8 hours. Sow seed at once or spread it out to dry.

(2) **Sprinkling.** Remove smut balls, trash, etc., by thoro fanning. Spread seed out on the floor or wagon bed in a 4 or 5 inch layer. Sprinkle the solution of formalin onto the seed from a watering pot. Shovel grain over thoroughly so that all the seed is moistened, then shovel it into a pile and cover with sacks for 3 to 8 hours. Sow seed at once or spread out to dry.

For further information write to Department of Agricultural Extension, Ames, Iowa.

A Satisfied Flag Customer

"Dear Sir: We have received the town service flag and we certainly appreciate the flag for 'he material, workmanship and most of all the service which was very important to us at this time. In behalf of the committee in charge we 'thank you for your personal attention in this matter, and we are enclosing incorporated in the amount of the draft, fifty cents extra for smokes for you.

We had a grand and glorious dedication in honor of the boys represented on the flag and the scheme suggested by the numeral met with unquestionable approval. We used the numeral 45 on our flag.

You will please find enclosed herewith our draft for \$24.30 for items as follows:

10x15 B. D. Service Flag, etc.....	\$23 80
Your smokes50
	\$24 30

Trusting that you find the same satisfactory, I am, Very truly yours,"

—Chester A. Olson, New Windsor, Ill.

Prosperity in North Dakota

"I have just come in to dinner after hustling garden stuff all forenoon, which was 200 pounds of your Summer Ballhead, which I must say is fine and I will never raise peaked heads again. It was hard to get cabbage to come up as it was so dry in the spring but it certainly is fine now. I have 8000 winter Ballheads which are looking fine. There is one head in my patch that is very distinct from the others. The plant filling tight together with only about 2 inches extension which droops over from the head, which is perfectly round and flat and not a worm on it. Do you know it?"

I have been greatly disappointed in not receiving your Seed Sense as we bought nearly \$25.00 worth of seeds through Mr. Bushland, who was to have been partner with me but moved away.

I will also send you a sample of peas which grew very short vines but very large pods. Here in North Dakota, the valley where we live has a great crop and \$100 land is paying as high as \$75 to the acre and very little wheat is less than 20 bushels to the acre. If there is anything more like Heaven than the Red River Valley just now, I don't know what it is unless it is Old Iowa. Wages are \$5.00 a day and myself and one of my boys are threshing every dry day as help is scarce.

Our oldest son is 'Somewhere' and we are proud to help build up that grand army that will come home with the bacon and the 'Rhine' on it."—W. A. McVey, Casselton, N. D.

Sudan is Great Stuff

I sowed 40 lbs. of your Sudan Grass broadcast. I sowed it July 1st. I would like to know how to take care of it. When is the proper time to cut it for hay. Which is the best way to handle it? It is so heavy and long, stands 5 feet now and is just starting to head out, the greatest I ever saw.

I would like to have you give me all the information you can in regard to the proper time to take care of it and how to handle."

—M. F. Christiansen, Otley, Iowa

Seed Corn Made a Fine Yield

"Friend Mr. Field: I want to tell you about my Ozark Beauty seed corn I ordered of you.

It made a fine yield and had only one rain on it. Filled silo on about $\frac{1}{2}$ ground from what it usually takes. Several want to order seed when I order from you so count on me for an order in the spring. Very respectfully,"

—Carroll W. Ingram, Whiteside, Mo.

Interested in Inoculation

"Gentlemen: We did not receive your catalog this year in time to send to you for our seeds, but we are sending in this little order as an after thought. We would like to know more about inoculation of Soy Beans and Alfalfa. Will enclose post picture of our three girls, we have no boys. Yours truly,"

—W. H. Daniels, Girard, Kans.



A Young Tennessee Gardener

"Dear Sir: I am ordering a few late cabbage seed and will send my youngest boy's picture with my No. 9 Standard cultivator.

That is the only thing I ever saw that I could cultivate onions with. This picture was made when the pie plant was small. My wife said it did not hurt her back a bit to see me plant onion seeds with this drill.

This picture is John Jacob Aster Brown, age 2 years. I imagine he would be a very good match to John Henry. Yours truly,"

—Floyd Brown, Burns, Tenn.

Likes Soy Beans

"Dear Mr. Field: This being my first year's try out raising Soy Beans, I checked them in with my corn and they have certainly made a splendid growth and almost bending with pods well filled with beans.

The corn with which they were planted stood the drouth better than the remainder of the corn which is a surprise to me as well as my neighbors.

The editor of the 'Missouri Ruralist' wants to take a picture of the field and if he does I will send you one.

How would you advise caring for the beans to get seed for the coming year, pulling or cutting, and also the best way to get them threshed? I am certainly well pleased with my first try out. Respectfully,"—Geo. E. Faires, Rea Mo.

Good Garden

"Thought I would write you a letter and tell you what a fine garden I had this year and how proud I am of it. But you might think I bought the seed of Mr. Field, otherwise I don't think I would have been so well pleased as I am. You ought to see our sweet corn and pumpkins. I think there will be a bumper crop. We live on a small farm of 21 acres. Are trying to get a start in the chicken business. We have at present some 600 young chickens.

I have never seen a letter from this part of the country in Seed Sense, so I thought I would write a few lines. Yours obligingly,"

—Mrs. Louis Niewisch, Bartlett, Ill.

Special Offer

Jersey and Sweater Coats for Children from 7 to 17 Years Only

We are able to offer you some mighty good bargains in these goods, simply because of our tremendous buying power. We don't buy a few dozen assorted but buy in large quantities direct from the factory. However, our stock is limited owing to scarcity of materials and slow deliveries the factory is making. When our present stock is exhausted we probably will not be able to secure any more before next season. We can only supply sizes and colors as listed below. First come, first served. (Note average children's sizes are figured thus: 7 and 8 yrs.—28, 9 and 10 yrs.—30, 11 yrs.—32, 12 and 13 yrs.—34.)



No. 8702 Sweater Coat

Rope stitch. Heavy material, suitable for boys or girls. Large shawl collar. Very serviceable. About 60 per cent wool. Khaki or maroon colors. 15, 16 and 17 year old sizes only. Price \$3.25 postpaid.

No. 8815 Sweater Coat

Medium heavy weight for smaller children. Good serviceable material. Finer knit than our No. 8702 coat. About 60 per cent wool. Oxford and cardinal colors only. Sizes 28, 30, 32 and 34 inches. Price \$2.95 postpaid.

No. 2652 Jersey Sweater

Just the thing for boys. Turtle neck, fine knit. Double ribbed collar and cuffs. 100 per cent wool. Maroon color only. Sizes 28, 30, 32 and 34 inches. Price \$3.50 postpaid.



A Town Service Flag

We are making to special order a great number of large service flags for towns, lodges, churches, etc. This picture shows one of our leading designs. Instead of having one star for each boy in service, the large star in the center represents them all and the numeral below show at a glance the exact number. The name of the town above is a good way to impress the name of the town upon tourists and other strangers. Gold stars are sewn above and around the big blue star. Numerals can be changed from time to time. This is just one of our many designs. Ask about them if interested. We can save you money.

Boys' and Girls' Raincoats

We have a few more of the raincoats like we offered last spring but when our present stock is used up we will be unable to secure any more.

The coats are well made and will give good satisfaction. We can supply sizes 8, 10 and 12 years only. Have a few hats and school bags to match.

While they last our prices are:

Raincoats only	-----\$2.50 each
Hat to match	-----".25 "
School Bag to match	-----".25 "

Complete Outfit -----\$3.00

Cotton Service Flags

Good quality, fast colors with eyelets in corners of heading so it can easily be fastened to a rope or staff or used otherwise. One, two or three stars.

12x18 inch size	Regular price \$.50
Special price	----- \$.40
2x3 ft. size	Regular price \$1.25
Special price	----- \$1.00
3x5 ft. size	Regular price \$1.75
Special price	----- \$1.40

Service Stamps

For use on letters, cards, packages, etc. Put up in books of 48 stamps. Each stamp gummed and perforated which makes them convenient for use. One, two or three stars.

Price 10c per book. 3 for 25c.

Service Pins



Style No. 1025. Gold plated, fine hard enamel in red, white and blue. Each on a separate card. One, two or three stars. Price 25c each.

Style No. 135. Sterling silver. Hard enamel in red, white and blue. One, two or three stars. Very popular. Price 50c each.

Style No. 131. 10 K. Solid Gold. Beautiful finish, has safety catch which prevents its coming unpin. Very dainty in size. One, two or three stars. Price 85c each.

Style No. 3003. Gold filled. Extra fine enamel finish. Made expressly for those who want something good but reasonable in price. One, two or three stars. Price 35c.

Style No. 1050. Service Insignia Pin, has insignia in bronze hanging beneath the service bar. Any branch of service. One star only. Very attractive. Price 35c each.

Style No. 1403. Service La Valliere. Gold filled penant and chain. Penant composed of small eagle with service star suspended by links. Beautiful finish throughout. Price \$1.25 ea.

Style No. 1000. Tri Color Service Pins. Gold filled, fine hard enamel. Bar with American shield. French and British flags and below this the service bar liked to the allied bar. Absolutely our best selling service pin. One, two or three stars. Price 50c each. Style No. 1000



No. 126C. Sweetheart Pins. Gold filled, hard enamel finish, very popular. Price 25c each.

We have an extensive line of sweetheart and service rings to fit any pocket book. Tell us what you're looking for and we will tell you what we have to offer.

Sampson Bunting Allied Flags

Better than wool but cheaper in price. Wears better and is not affected by moths. Colors are absolutely guaranteed fast. Flags are sewed throughout, not mounted on staffs but made with heavy headings of canvas, with brass grommets so they can easily be attached to a rope or staff. Texture of material about the same as wool. Beautiful colors.

3x5 ft. U. S. Flag	----- \$3.00 each
3x5 " French Flag	----- 3.40 "
3x5 " Belgium Flag	----- 3.40 "
3x5 " English Flag	----- 7.00 "
3x5 " Italian Flag	----- 5.50 "
4x6 " U. S. Flag	----- 3.70 "
4x6 " French Flag	----- 3.90 "
4x6 " Belgium Flag	----- 3.90 "
4x6 " English Flag	----- 9.50 "
4x6 " Italian Flag	----- 7.30 "

(5x8 ft. size quoted on request)

Cotton Bunting Allied Flags

Fast colors, not mounted on staffs but made with heavy canvas headings and brass grommets so they can be attached conveniently to rope or staff.

3x5 ft. American	----- \$1.50 each
3x5 " Italian	----- 3.00 "
3x5 " French	----- 2.70 "
3x5 " English	----- 4.00 "
3x5 " Belgium	----- 2.70 "
4x6 " American	----- 2.25 "
4x6 " Italian	----- 3.25 "
4x6 " French	----- 2.90 "
4x6 " English	----- 5.00 "
4x6 " Belgium	----- 2.90 "

Guaranteed Watches

No doubt that boy of yours who is in service or expecting to go soon is in need of a good guaranteed wrist watch. You can't imagine how much comfort a luminous dial wrist watch is to a boy in active service. We have a fine line of Military Wrist Watches and will gladly quote you prices on request and tell you what they are like.

Has Your Town a Service Flag?

We make a specialty of large service flags for towns, churches, lodges, etc. We have some very unique designs which are proving popular. You will save both time and money by ordering from us. Write for prices.

Our Guarantee

Every article we offer is guaranteed as represented. All goods are sent subject to your own inspection and approval, and if not perfectly satisfactory they should be returned promptly for exchange or your money will be cheerfully refunded. You run no risk in buying from us.

Special Bargain

"Icy Hot" Lunch Kits



Here's your chance to get a real "war-time" bargain. We bought a quantity of the celebrated "Icy Hot" vacuum bottle lunch kits last spring expecting to offer them as premiums this coming season but since buying

them, the factory has raised the price so much that we cannot purchase additional stock and the amount we have on hand would not make a starter as a premium for the 25,000 boys and girls who sell seeds for us. The present price everywhere on these "Icy Hot" Lunch Kits is \$4.00 as any dealer will tell you and we could sell them at the advanced price with a big profit but we are not profiteers and want our customers to have the benefit of our fortunate purchase. We have just 144 of these kits and while they last we will offer them at \$3.00 each and postage. Only one kit to each person.

Here's the description:—It consists of a metal case, handsomely enameled in black, with leather handle, nickel plated trimmings and is equipped with a pint size genuine "Icy Hot" vacuum bottle. The bottle is held in the upper compartment and the lunch in the lower. The lunch kit provides a clean, fresh and moist lunch. The "Icy Hot" bottle is guaranteed to keep drinks steaming hot for twenty-four hours or icy cold for three days. The bottle is so thoroughly protected that it is practically unbreakable and with ordinary care will last a life time. If the inner glass filler should accidentally be broken, it can be easily and quickly removed from outer case and replaced cheaply. What could be finer for school children, school teachers or the working man.

While they last \$3.00 each and postage extra.

Postage and insurance is as follows:

If you live in Zone 2 from Shennandoah add	10c
" " " " " 3 "	" 15c
" " " " " 4 "	" 20c
" " " " " 5 "	" 30c
" " " " " 6 "	" 35c
" " " " " 7 "	" 45c

Sorghum Was Good

"The 'lasses' arrived Wednesday in pretty good shape although some of it leaked out so the box was sticky. I immediately got a slice of bread as big as I could and put the lasses on as thick as it would stand and just thought I was a boy again. Gee, but it was fine and my mother's and sister's family, as well as my own, expect to have all the good things that can be made from sorghum.

Am enclosing check for amount named in your letter, \$7.75, and accept my thanks along with it. Will write you about garden later.

—Chas. H. Clarke, Des Moines, Iowa.



Goats Wanted

I would like to acquire a bunch of goats to put in my timber pasture, and if any of you know where I can get them, or if you have some to sell, write me all about it.

I don't think I want the kind shown in this picture. I put it there because it happened to be the only goat picture I had handy.

I think what I want is the Toggenburg or Swiss milking goats. I have heard lots about them, and I believe I would like to raise them. I know they are pretty high priced yet, but I guess I could stand a few anyway.

But I want goats of some kind anyway, and if I can't get Toggenburgs I will take the next best, so write me about whatever you have.

Or if you have had experience with goats I will appreciate any good advice you can give me either for or against the proposition.

H. F.

P. S. Ruth says to be sure and get at least one that's broke to drive so that she and Georgia and John Henry can go riding with them.

Winter or Perennial Onions

Winter onions sets should be planted in the fall. It is next to impossible to carry them over in good condition for spring planting. In the fall the sets are fresh and plump and if planted then will make an early start in the spring.

Select some out of the way place in your garden to plant them, for they are a perennial and the bed will not likely be disturbed for years. Like other garden crops they like rich soil, and if planted on such will come earlier and make better onions. The sets of the winter onions grow in bunches. These bunches should be broken apart and the sets placed about three inches apart in the row. The rows should be about one foot apart.

These onions spread from the crown and in time you will have a good-sized clump from one set. They do not form a bulb as other onions do, but are used as green onions only.

They are extremely hardy and early.

We can furnish them in small quantities at 25c per pound, postpaid. In larger amounts, to go at customer's expense, 15c per pound. In lots of one-half bushel or over at \$2.50 per bushel, transportation to be paid by customer.



This Shows How We Make 100 Per Cent Seed. Corn Handled This Way Can't Help Growing

This picture will give you a good idea of how we are making sure of good seed corn this fall. That's the only sure way. Hang it up and get it dried out before it freezes. We have had a gang of men at work at it since September and we have thousands of bushels of seed hung

up. All big, fine, sound ears, too. And they will all grow. You couldn't kill 'em with a club. It takes money and work and storage room and nerve to do it on the scale we have been doing it this fall, but when it's done, you've got something.

Time to Gather Seed Corn

If I were made dictator of these United States with absolute power to issue orders and see that they were obeyed, my first order would be that every farmer in the land must gather his seed corn and hang it up the first week in October or be hung himself.

It might be pretty harsh business but it would increase the yield of corn about 50 per cent and that would be worth going after. Seed corn that is picked and hung up now and thoroughly dried out and kept dry during the winter will absolutely show 100 per cent germination, and not only will it all grow, but it will grow strong. It will mean business right from the start. You couldn't kill it with a club.

We are taking our own medicine. We are already gathering seed corn and hanging it up. We commenced on the sweet corn first and we have already hung up 40 acres of sweet corn. We have always had more or less trouble to get good germination on sweet corn, but this year we are going to have 100 per cent germination, no question about it. The corn was all gathered and hung up before there was a bit of frost. It is as dry as a bone right now. And now we are after the field corn. We are going to hang up thousands of bushels and get it all up on the hang-

ers dry and nice before it has a chance to freeze.

Now there is no reason in the world why you shouldn't be doing the same thing. You will never make bigger wages in your life than you will by going out now and putting in three or four days in saving seed corn.

Seed Oils as a Source of Food

That seed oils are a valuable source of food has been established in tests made by the United States Department of Agriculture. In experiments to determine the digestibility of oils made from corn, soy beans, sunflower seeds, Japanese mustard seed, rape seed, and charlock seed—oils not now commonly in use—the United States Department of Agriculture found that they are well assimilated and in value compare favorably with other vegetable oils. These digestion experiments, reported in Bulletin 687, just published by the department, are a part of the series which is being conducted to determine the digestibility of various foods. During the test period (three days), in which the oils referred to constituted practically the entire sources of fat, the subjects ate on an average 58 to 90 grams per day and did not report any ill effects. To judge by their digestibility, these oils, according to the bulletin, should prove satisfactory sources of fat for the dietary.

Wholesale Net Prices October 1, 1918

U. S. Food Administration License No. G42222

Good to October 31, 1918 (Subject to stock being unsold)

On Clover, Alfalfa and Other Grass and Field Seeds Which Fluctuate in Price
Address all orders to HENRY FIELD SEED CO., Shenandoah, Iowa

We Want Early Orders—So we have made these prices very low considering present conditions and market. We have based them on what the stuff cost us, not on what it would cost us to replace it. We have got the seed in the house, bought right, and up to October 31, (if it lasts that long) we will sell at

these prices. When it is gone and we have to buy more at higher prices, you will have to pay more, providing you can get the seed at all. Better buy now while the buying is good. Write for special quotations after October 31, or send your order and I will fill at lowest possible price.

Time Limit. Note that these prices are good only till October 31, 1918, and if you do not buy in that time you should write for our new prices. We reserve the right to cancel these prices when stock on hand is sold.

These prices are f. o. b. Shenandoah, customer to pay the freight. If you want delivered prices we will make a special estimate for you on request.

No extra charge for sacks, except for wheat and rye. All other seeds are sold "sacks weighed in." Remember this when comparing prices.

Prices are strictly net, spot cash, and no discount. Safe arrival guaranteed. Clover and alfalfa seed are generally double sacked, and everything is well packed. We guarantee that all seeds will reach you in good order.

Sold on approval. These seeds are priced sold with the understanding that if not found perfectly satisfactory they may be returned at our expense

and your money will be refunded. You can be the judge of quality.

One grade only. We quote on one grade only, a high grade. We do not believe in low grades, and do not wish to encourage the use of them. Good seed is the cheapest in the long run.

Reference. First National Bank of Shenandoah, Ia. **Free Samples.** We will gladly send free samples of any kind of seed quoted here.

Subject to Sale. All prices are subject to stock being unsold on receipt of order.

YOUR MONEY'S WORTH OR YOUR MONEY BACK

It is mutually agreed and understood that any seeds or other goods ordered of us may be returned at any time within ten days after receipt if not satisfactory and money paid for them will be refunded, but we do not and cannot, in any way, warrant the crop, as it is dependent on so many conditions beyond our control.

HENRY FIELD SEED CO.

(Every item is extra fancy grade unless specified otherwise.)

Clover and Grass Seed	Per	Equals
Clover Seed (60 lbs. per bu.)	100 lbs. per bu.	
Medium or Common Red	Ask for prices	
Mammoth Red	" "	" "
Alsike	" "	" "
White or Dutch	" "	" "

Sweet Clover (all scarified)		
White Biennial (Melilotus Alba) hulled	28.00	16.80
Yellow Biennial (Melilotus Officinalis) hulled	25.00	15.00
Ask for prices on unhulled, unscarified and annual.		

Alfalfa (all dry land northern grown, hardy)		
Kansas-Nebraska, first grade	22.00	13.20
Kansas-Nebraska, poor but honest	13.23	8.00
Montana grown	25.00	15.00
Liscomb, Montana grown	40.00	24.00
Grimm, Dakota or Colorado Grown	50.00	30.00
Baltic, Dakota grown	50.00	30.00

Timothy and Timothy Mixtures		
(All 45 lbs. per bu.)		
Timothy, best home grown	12.00	5.40
Timothy-Alsike mixture	14.00	6.30
Timothy-Red clover mixture	16.00	7.20

Vetch (60 lbs. per bu.)		
Spring or winter	22.00	13.20
Spring	12.00	7.20

These are wholesale prices, good for amounts of 10 pounds or of 50 pounds of 10 pounds of a kind, or over. Add 2c per pound for amounts of 5 to 10 pounds. Add 5c per pound for amounts below 5 pounds.

Notice Reduced Prices on Alfalfa Seed

We have a welcome surprise for you—a reduction in price in these days when most everything is going up instead of down.

The new crop of alfalfa seed is coming in more abundantly and better quality than we had hoped, and we are able to cut the price about \$1.50 per 100 lbs.

The Kansas-Nebraska seed that we have been selling at \$14.00 per bu. for the past two years is now priced at \$13.20 per bu., Dakota seed has been reduced from \$15.00 to \$14.10, and so on.

The seed is the finest ever, all high grade,

Blue Grass (all 14 lbs. per bu.)		
Kentucky Blue Grass	30.00	4.20
English Blue Grass	20.00	2.80
Canadian Blue Grass	20.00	2.80

Other Grasses		
Red Top, fancy solid seed	18.00	2.52
" " unhulled or rough seed	10.00	1.40
Orchard Grass	28.00	3.92
Bermuda Grass	50.00	
English or Perennial Rye Grass	14.00	1.96
Italian Rye Grass	14.00	1.96
Lawn Grass Mixture	30.00	
Permanent Meadow Mixture	14.00	
Lowland Pasture Mixture	14.00	
Woodland Pasture Mixture	14.00	

Small Grain

Winter Rye—Common	per bu.	2.50
" " Rosen		2.75
Winter Wheat—Turkey Red and 404		2.75

Bags are extra on wheat and rye at 60c for white and 40c for burlaps holding 2 bu. to 2½ bu. each.

Broadcast Seeders		
Cyclone, each		\$2.00
Little Wonder, each		1.25

almost perfect purity, and of known origin and hardness. If it don't look good to you, you can have your money back.

About Scarifying

We believe that it pays big to scarify Sweet Clover. We scarify all ours without extra charge. With Red Clover it may pay, I don't know. The evidence is conflicting. We will scarify the Red Clover if you wish at an extra charge of 50c per bu. I do not think it pays to scarify Alfalfa, as it seldom has much hard seed, and also the scarifying breaks the seed badly causing considerable loss.